

compore version 3.1.3
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us protein protein search, using sw model

Run on: October 22, 2002, 16:09:32, 15,arch,2,0m,1,02,21,comp.
(without alignments)
524,976 Million cell updates/sec

Title: US-09-996-738-8
Perfect score: 41
Sequence: 1 VORNER 6

Scoring table: BLUSUM62
Gap: 10.0, Gapext 0.5

Search: 20438 seqs, 960944 residues

Total number of hits satisfying chosen parameters: 20438

Minimum DB seq length: 0
Maximum DB seq length: 20000000

Post processing: Minimum Match 0%
Maximum Match 100%
Lasting first 45 summaries

Database: 1: PIR1;*

2: PIR2;*

3: PIR3;*

4: PIR4;*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution

SUMMARIES

Result No.	Score	* Match	Length	DB ID	Description
1	41	100.0	114	2	C35720 Hypothetical protein 12.4K
2	41	100.0	451	2	C98320 Hypothetical protein
3	41	100.0	451	2	A82963 endoglucanase [imp
4	41	100.0	494	2	135712 endoglucanase - Aq
5	41	100.0	567	2	143556 Ras pathway intra
6	41	100.0	1151	2	A45226 raten in alpha 1 c
7	40	96.8	269	2	34318 Hypothetical prote
8	40	96.8	1141	2	139791 photobiont 35.4
9	38	90.3	144	2	B69156 Hypothetical prote
10	38	90.3	235	2	S9652 Secretion prote
11	38	90.3	245	2	B83462 Probable short cha
12	38	90.3	291	1	P01031 conserved hypothet
13	38	90.3	282	2	A61969 B. subtilis Y51A (
14	38	90.3	283	2	A61764 B. subtilis Y51A (
15	38	90.3	425	1	A48561 inner capsid prote
16	38	90.3	428	1	V08904 minor inner core p
17	38	90.3	438	2	S85349 Hypothetical prote
18	38	90.3	475	1	K10834 thymidine kinase (
19	38	90.3	493	2	B97128 Probable transpor
20	38	90.3	449	2	B62958 Probable transpor
21	38	90.3	481	2	T29909 Hypothetical prote
22	38	90.3	522	2	S87434 conserved hypothet
23	38	90.3	509	2	S29842 Probable SusKc 12
24	38	90.3	524	2	T29086 Hypothetical prote
25	38	90.3	547	2	AC3572 oligopeptide-bind
26	38	90.3	551	1	B62923 endoglucanase 35.4
27	38	90.3	877	2	B32296 Abg transposase A
28	38	90.3	877	2	T06099 p37 protein Toge
29	38	90.3	881	1	VCLJG3 core polypeptide -

30	38	90.3	114	2	B08141 protein 12.4K
31	38	90.3	1224	2	143403 protein 12.4K
32	37	90.1	1067	2	148438 protein 12.4K
33	37	85.1	41	2	S04980 protein heavy cha
34	37	85.1	85	2	S08415 protein heavy cha
35	37	85.1	86	2	B06271 protein heavy cha
36	37	85.1	88	2	107860 ribosomal protein
37	37	85.1	111	2	S32737 adenosine phospho
38	37	85.1	136	2	B87461 hypothetical pro
39	37	85.1	141	2	148109 protein heavy cha
40	37	85.1	164	2	146710 protein heavy cha
41	37	85.1	165	2	190725 ribosomal protein
42	37	85.1	174	2	192865 protein chain 2
43	37	85.1	175	1	F80011 protein light cha
44	37	87.1	175	1	F80011 protein light cha
45	37	87.1	175	2	S01249 protein light cha

ALTERNATIVES

RESULTS

1

C35720

Hypothetical protein 12.4K protein - Escherichia coli

NAAHermite name: hypothetical protein 114

C-Spectrum: Escherichia coli

C-Accession: C35720

C-Accession: C35720

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C-Accession: C35720

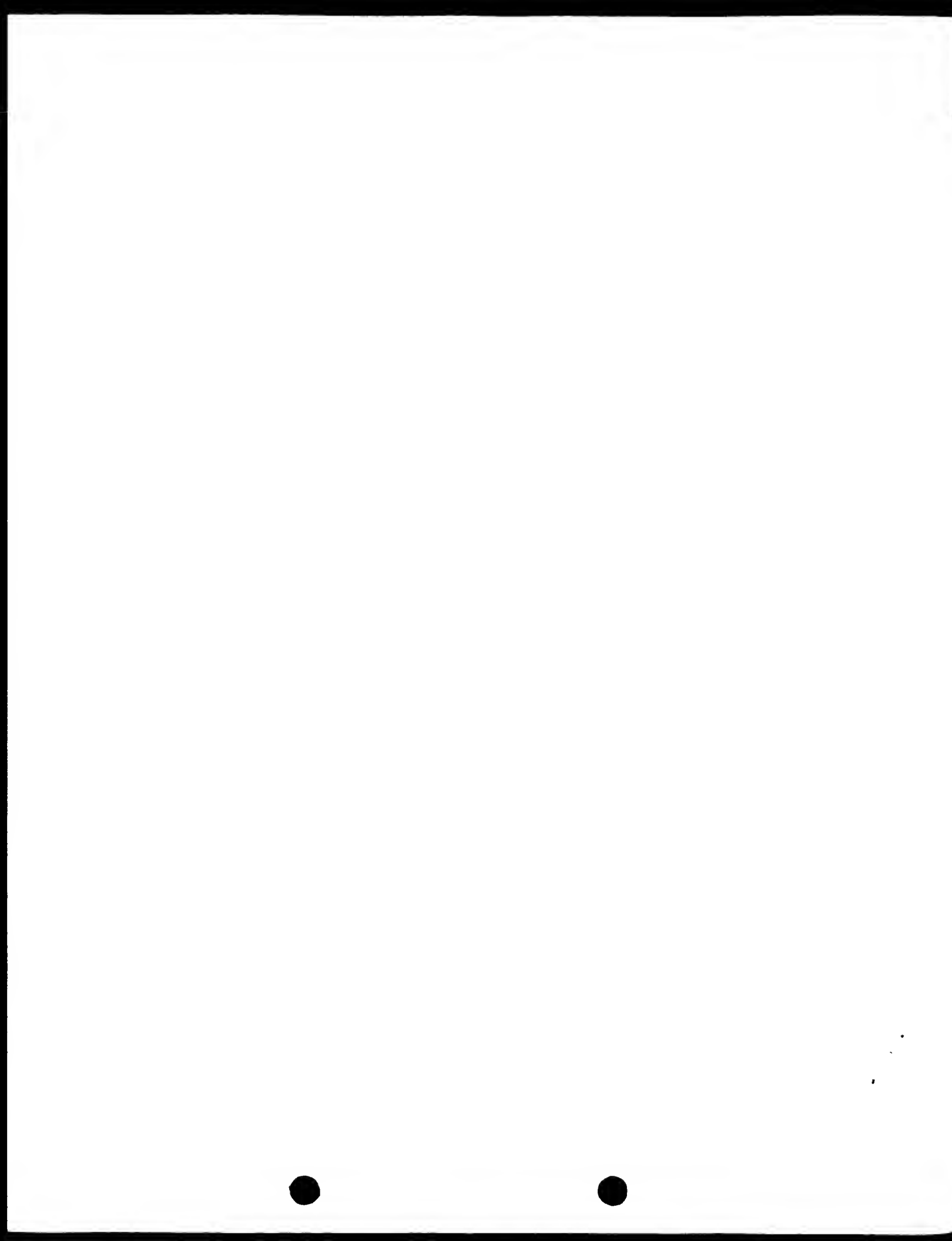
C-Accession: C35720

C-Accession: C35720

C-Accession: C35720

C-Accession: C35720

Job time : 4.07421 secs



KW Ribosomal protein.
 FI NON_TER 1 1
 SE SEQUENCE 164 AA: 299.9 MW: 33999.41 kDa: 164 AA: 1644
 Query Match: 87.1%, Score: 27; DB: 1; Length: 164.
 Best Local Similarity: 83.48; Pred. No.: 55;
 Matches: 5; Conservative: 1; Mismatches: 0; Gaps: 0;
 QY 1 VURGG 6
 DB 15 VRRGG 20

RESULT 15

FRH_RABII
 ID FRH_RABII STANDARD: PRI: 164 AA.
 AC P25615;
 DT 01-MAY-1992 (Ref. 22, Crotated)
 DE 01-MAY-1992 (Ref. 22, Last sequence update)
 DE 15-JUL-1999 (Ref. 38, Last annotation update)
 DE Ferritin heavy chain (Ferritin II subunit) (Fragment)
 GN FTH.
 OS Oryctolagus cuniculus (Rabbit).
 OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Lagomorpha; Leporidae; Cytolagrus.
 OX NCBI_TaxID 9986;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC TISSUE: Vascular smooth muscle;
 RX MEDLINE: 92011647; PubMed: 1655764;
 RA Liu G., Chan L.M., Feng P.;
 RI "Increased ferritin gene expression is both promoted by cAMP and a
 marker of growth arrest in rabbit vascular smooth muscle cells."
 RL J. Biol. Chem. 266:18819-18826(1991).
 CC -!- FUNCTION: FERRITIN IS AN INTRACELLULAR IRON-STORED IRON
 IN A SOLUBLE, NONTXIC, READILY AVAILABLE FORM. THE FUNCTIONAL
 MOLECULE, WHICH IS COMPOSED OF 24 CHAINS, IS ROUGHLY SPHERICAL
 AND CONTAINS A CENTRAL CAVITY IN WHICH THE POLYMERIC FERRIC IRON
 CORE IS DEPOSITED.
 CC -!- MISCELLANEOUS: THERE ARE TWO TYPES OF FERRITIN SUBUNITS: L (LIGHT)
 CHAIN AND H (HEAVY) CHAIN. THE MAJOR CHAIN CAN BE LIGHT OR HEAVY.
 CC DEPENDING ON THE SPECIES AND TISSUE TYPE.
 CC -!- SIMILARITY: BELONGS TO THE FERRITIN FAMILY.
 CC
 CC This SWISS-PROT entry is copyright. It is produced through a collaboration
 between the Swiss Institute of Bioinformatics and the EMBL outstation
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 or send an email to feedback@ebi.ac.uk
 DR EMBL: M63612; AAC1247.1;
 DR ISSP: P02794; 2FHA.
 DR InterPro: IPR001519; Ferritin.
 DR Pfam: PF00210; ferritin; 1
 DR ProDom: PD000971; Ferritin; 1.
 DR PROSITE: PS00540; FERRITIN; 1.
 DR PROSITE: PS00204; FERRITIN; 1.
 KW Iron storage; Multigene family.
 FI NON_TER 1 1
 ET METAL 9 9 IRON (BY SIMILARITY).
 FI METAL 40 40 IRON (BY SIMILARITY).
 FI METAL 43 43 IRON (BY SIMILARITY).
 FI METAL 44 44 IRON (BY SIMILARITY).
 FI METAL 46 46 IRON (BY SIMILARITY).
 FI METAL 47 47 IRON (BY SIMILARITY).
 FI METAL 49 49 IRON (BY SIMILARITY).
 FI METAL 124 124 IRON (BY SIMILARITY).
 SQ SEQUENCE 164 AA: 19192 MW: 31805056888489 GR664;
 Query Match: 87.1%; Score: 27; DB: 1; Length: 164;
 Best Local Similarity: 100.0%; Pred. No.: 55;

Match: 5; Conservative: 1; Mismatches: 0; Gaps: 0;
 QY 2 VURGG 6
 DB 57 VRRGG 61
 Search completed: October 22, 2002, 16:00:35
 Job time: 1,50894 secs

Genome version 6.1.3
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OM protein - protein search, using sw mode 1
run on: October 22, 2002, 16:00:02, Search time 1 63.93 seconds
(withheld alignments)
645,260 million cells updated/s/seq

Titles: US 09 996 748-B
RefSeq scores: 41
Sequences: 1 VOR05R 6

Score table: BLASTUM62
Gap: 10.0, GapExt 0.0

Score: 64,222 bits, 17,994,000, 1,000,000
Total number of hits satisfying chosen parameters: 64,222

Minimum DB seq length: 6
Maximum DB seq length: 2000000000

Post-processing
Minimum Match 100
Last hit first 45 summaries

- Database: SPTREMBL, P -
- 1: sp_archaea:*
 - 2: sp_bacteria:*
 - 3: sp_fungi:*
 - 4: sp_human:*
 - 5: sp_invertebrates:*
 - 6: sp_mammals:*
 - 7: sp_mice:*
 - 8: sp_ornithines:*
 - 9: sp_plants:*
 - 10: sp_protists:*
 - 11: sp_viruses:*
 - 12: sp_vertebrates:*
 - 13: sp_yeast:*
 - 14: sp_unclassified:*
 - 15: sp_viruses:*
 - 16: sp_bacteria:*
 - 17: sp_archaea:*

Prod. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution

SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	41	100.0	96	15 091897	091897 human unim
2	41	100.0	114	2 247492	247492 escherichia
3	41	100.0	278	2 007397	007397 mycobacteri
4	41	100.0	394	2 244436	244436 archaea
5	41	100.0	424	16 098006	098006 theobroma
6	40	96.8	130	1 098006	098006 salicibac
7	40	96.8	269	1 074066	074066 corynebacteri
8	40	96.8	273	1 074063	074063 corynebacteri
9	40	96.8	273	2 094880	094880 streptomyces
10	28	90.3	72	2 094880	094880 streptomyces
11	28	90.3	134	17 026530	026530 methanobac
12	28	90.3	141	4 094898	094898 human sapien
13	28	90.3	212	16 064196	064196 escherichia
14	28	90.3	215	16 064196	064196 escherichia
15	28	90.3	283	16 092789	092789 pseudomonas
16	28	90.3	299	4 098155	098155 streptococcus

16	28	90.3	329	1 098016	098016 human unim
17	28	90.3	329	12 098016	098016 human unim
18	28	90.3	329	12 098024	098024 human unim
19	28	90.3	329	12 098024	098024 human unim
20	28	90.3	329	12 098036	098036 human unim
21	28	90.3	329	12 098036	098036 human unim
22	28	90.3	329	12 098048	098048 human unim
23	28	90.3	329	12 098048	098048 human unim
24	28	90.3	329	12 098050	098050 human unim
25	28	90.3	329	12 098050	098050 human unim
26	28	90.3	329	12 098052	098052 human unim
27	28	90.3	329	12 098052	098052 human unim
28	28	90.3	329	12 098054	098054 human unim
29	28	90.3	329	12 098054	098054 human unim
30	28	90.3	329	12 098056	098056 human unim
31	28	90.3	329	12 098056	098056 human unim
32	28	90.3	329	12 098057	098057 human unim
33	28	90.3	329	12 098057	098057 human unim
34	28	90.3	329	12 098059	098059 human unim
35	28	90.3	329	12 098059	098059 human unim
36	28	90.3	329	12 098059	098059 human unim
37	28	90.3	329	12 098059	098059 human unim
38	28	90.3	329	12 098061	098061 human unim
39	28	90.3	329	12 098061	098061 human unim
40	28	90.3	329	12 098061	098061 human unim
41	28	90.3	329	12 098061	098061 human unim
42	28	90.3	329	12 098061	098061 human unim
43	28	90.3	329	12 098061	098061 human unim
44	28	90.3	329	12 098061	098061 human unim
45	28	90.3	329	12 098061	098061 human unim

ALIGNMENTS

ID	091897	1001000000	1001000000	1001000000	1001000000
16	091897	1001000000	1001000000	1001000000	1001000000
17	091897	1001000000	1001000000	1001000000	1001000000
18	091897	1001000000	1001000000	1001000000	1001000000
19	091897	1001000000	1001000000	1001000000	1001000000
20	091897	1001000000	1001000000	1001000000	1001000000
21	091897	1001000000	1001000000	1001000000	1001000000
22	091897	1001000000	1001000000	1001000000	1001000000
23	091897	1001000000	1001000000	1001000000	1001000000
24	091897	1001000000	1001000000	1001000000	1001000000
25	091897	1001000000	1001000000	1001000000	1001000000
26	091897	1001000000	1001000000	1001000000	1001000000
27	091897	1001000000	1001000000	1001000000	1001000000
28	091897	1001000000	1001000000	1001000000	1001000000
29	091897	1001000000	1001000000	1001000000	1001000000
30	091897	1001000000	1001000000	1001000000	1001000000
31	091897	1001000000	1001000000	1001000000	1001000000
32	091897	1001000000	1001000000	1001000000	1001000000
33	091897	1001000000	1001000000	1001000000	1001000000
34	091897	1001000000	1001000000	1001000000	1001000000
35	091897	1001000000	1001000000	1001000000	1001000000
36	091897	1001000000	1001000000	1001000000	1001000000
37	091897	1001000000	1001000000	1001000000	1001000000
38	091897	1001000000	1001000000	1001000000	1001000000
39	091897	1001000000	1001000000	1001000000	1001000000
40	091897	1001000000	1001000000	1001000000	1001000000
41	091897	1001000000	1001000000	1001000000	1001000000
42	091897	1001000000	1001000000	1001000000	1001000000
43	091897	1001000000	1001000000	1001000000	1001000000
44	091897	1001000000	1001000000	1001000000	1001000000
45	091897	1001000000	1001000000	1001000000	1001000000

```
DI 01-DKC-2001 (TREMBlrel. 19, Last annotation update)
DE GPF114.
OS Escherichia coli
OC Bacteria; Proteobacteria; gamma subcl. Eubac. Proteobact. gamma
OC Escherichia.
OX NCBI_TaxID=562;
LN
RP SEQUENCE FROM N.A.
RX MEDLINE=90170953; PubMed=2155230;
PA Chen C.-M., Ye Q.-Z., Zhu Z., Wagner R.H., Walsh T.L.,
FT "Random cloning of carbon-phosphotransferase (cphA) and
RI sequencing of the pho (psb) genes involved in alkylphosphonate uptake
RT and C-P lyase activity in Escherichia coli B";
RA J. Biol. Chem. 265:4441-4447(1990)
DR EMBL=J05260; AAC242111;
SQ SEQUENCE 114 AA; 12496 MW; F754E4215011A GRC04;

Query Match 100.0%; Score 31; DB 2; Length 114;
Best local similarity 100.0%; Pred. No. 23;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VORGER 6
DB 40 VORGER 45

RESULT 3
DI 007497
ID 007497 PRELIMINARY; PRT; 279 AA.
AC 007497;
DT 01-JUL-1997 (TREMBlrel. 04, Created)
DI 01-JUL-1997 (TREMBlrel. 04, Last sequence update)
DI 01-DKC-2001 (TREMBlrel. 16, Last annotation update)
DE MAV278.
GN MAV278.
OS Mycobacterium avium.
OC Bacteria; Firmicutes; Actinobacteriales; Actinobacter phag.
OC Actinomycetaceae; Corynebacteriaceae; Mycobacteriaceae; Mycobact.
OX NCBI_TaxID=1764.
LN
RP SEQUENCE FROM N.A.
RX SPAIN G1F10.
RX MEDLINE=9106730; PubMed=904449;
PA Labo M., Gastert L., Rossi E.D., Spachis P., Fioraldi G.,
FT "Determination of a 1547 bp nucleotide sequence around the hlyA gene
RI of Mycobacterium avium and similarity analysis of the products of
RT putative ORFs";
RA Microbiology 144:867-874(1998).
DR EMPL=AF002143; AAC429111;
SQ SEQUENCE 278 AA; 30645 MW; A898A677777777 GRC04;

Query Match 100.0%; Score 31; DB 2; Length 278;
Best local similarity 100.0%; Pred. No. 52;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VORGER 6
DB 164 VORGER 169

RESULT 4
DI 044416
ID 044416 PRELIMINARY; PRT; 494 AA.
AC 044416;
DT 01-NOV-1996 (TREMBlrel. 01, Created)
DI 01-NOV-1996 (TREMBlrel. 01, Last sequence update)
DI 01-DKC-2001 (TREMBlrel. 19, Last annotation update)
DE ENDOGLUCANASE.
GN CELC.
OS Autobacterium tumefaciens.
OC Bacteria; Proteobacteria; alpha subcl. Proteobact. gamma group;
OC Rhizobiaceae; Rhizobium.
OX NCBI_TaxID=358;
```

```
LN
RP SEQUENCE FROM N.A.
RX MEDLINE=95164506; PubMed 7860585;
PA Maitake S., Watanabe S., Ishihara K.,
FT "Genes required for cellulose synthesis in Autobacterium
RI tumefaciens";
RA J. Bacteriol. 177:1069-1075(1995).
DR EMBL=U86609; AAC414311;
DI 01-NOV-2001 (TREMBlrel. 18, Created)
DI 01-NOV-2001 (TREMBlrel. 18, Last sequence update)
DI 01-DKC-2001 (TREMBlrel. 18, Last annotation update)
DE SCL281.
GN SCL281.
OS Autobacterium tumefaciens.
OC Bacteria; Firmicutes; Actinobacteriales; Actinobacter phag.
OX NCBI_TaxID=358.

Query Match 100.0%; Score 31; DB 2; Length 194;
Best local similarity 100.0%; Pred. No. 86;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VORGER 6
DB 242 VORGER 267

RESULT 5
DI 098406
ID 098406 PRELIMINARY; PRT; 424 AA.
AC 098406;
DT 01-NOV-2001 (TREMBlrel. 18, Created)
DI 01-NOV-2001 (TREMBlrel. 18, Last sequence update)
DI 01-DKC-2001 (TREMBlrel. 18, Last annotation update)
DE MIA5421.
GN MIA5421.
OS Mesorhizobium loti (Mesorhizobium loti).
OC Bacteria; alpha-subcl. Proteobact. alpha subcl. Proteobact.
OX Rhizobiaceae; Rhizobium.
LN
RP SEQUENCE FROM N.A.
RX STRAIN MAF749009;
RX MEDLINE=9129290; PubMed 11214968;
PA Kamezawa Y., Nakamura Y., Saito S., Asano Y., Kato T., Sasamoto S.,
RA Kishida A., Ueda H., Ishikawa A., Kawazawa K., Finura I.,
RA Hatake M., Hatakeyama S., Kohara M., Matsuda H., Matsuo A.,
RA Takemura G., Yamada M., Takata S.,
FT "Complete genome structure of the nitrogen-fixing symbiotic bacterium
RI Mesorhizobium loti";
RA DNA Res. 7:431-438(2000).
DR EMBL=AF004006; BAB187611;
SQ SEQUENCE 424 AA; 46939 MW; 92175326524FFB GRC04;

Query Match 100.0%; Score 31; DB 16; Length 424;
Best local similarity 100.0%; Pred. No. 61;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VORGER 6
DB 60 VORGER 66

RESULT 6
DI 090099
ID 090099 PRELIMINARY; PRT; 131 AA.
AC 090099;
DT 01-NOV-2001 (TREMBlrel. 18, Created)
DI 01-NOV-2001 (TREMBlrel. 18, Last sequence update)
DI 01-DKC-2001 (TREMBlrel. 16, Last annotation update)
DE HYPOPHOSPHATE 14.0 KDA PROTEIN.
GN PRF22610.
OS Sulfolobus solfataricus.
OC Archaea; Crenarchaeota; Sulfolobales; Sulfolobaceae; Sulfolobus.
OX NCBI_TaxID=2287;
LN
RP SEQUENCE FROM N.A.
```


BC STRAIN-DSM 1617 / P2
 RA Charlebois R.L., Smith R.K., Charlebois R.L., Y. Y., Allard R., Chow P.,
 RA Cantelmo T., Garret R.A., Diquet M., Frouse G., Frouse G.,
 RA Gasterland T., Garret R.A., Diquet M., Frouse G., Frouse G.,
 RA Kishimoto N., Lallier E., Medina N., Poiré X., Poiré X.,
 PA St Jean A., Van der West J., Yoon P., Yoon P.,
 RA Kahan M.A., Senses C.W.
 RI "Gene content and organization of a 281 kbp contig from the genome of
 RT the extremely thermophilic archaeon, Sulfolobus solfataricus P2."
 RI Submitted (Apr-1999) to the EMBL/GenBank/DBJ databases.
 RI EMBL: Y18930; GenBank: U00004; DDBJ: U00004.
 KW Hypothetical protein.
 SQ SEQUENCE 130 AA; 14047 MW; 94BI90A20F433197 78064;

Query Match 96.8% Score 40; DB 1; Length 140;
 Best Local Similarity 84.4% Pred. No. 4;
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 QY 1 VQKGR 6
 11111
 DB 109 LQKGR 114

RESULT 7
 074064
 ID 074064; PRELIMINARY; PRI 274 AA;
 DI 01-NOV-1998 (EMBLrel. 08, created)
 DI 01-NOV-1998 (EMBLrel. 08, last sequence update)
 DI 01-JUN-2001 (EMBLrel. 17, last annotation update)
 DE HYPOHETICAL 30.7 KDa PROTEIN.
 OS Cenarchaeum symbiosum.
 OC Archaea; Crenarchaeota; Cenarchaeum.
 OX NCBI_TaxID 46770;
 RN 111
 RP SEQUENCE FROM N.A.
 RC STRAIN-B.
 RX MEDLINE 98422453; PubMed 9748120;
 RA Schlieper C., Belong E., Prestop J., Preston J., Preston J.,
 RA Swanson R.V.
 RI "Genomic analysis reveals chromosomal variation in natural populations
 RI of the model thermophilic archaeon Cenarchaeum symbiosum."
 RI J. Bacteriol. 180:5003-5009(1998)
 RI EMBL: AF084072; AAC62709.1;
 DR InterPro: IPR04115; Paracel.
 DR Pfam: PF02195; Paracel.
 DR SMART: SM00476; Paracel.
 KW Hypothetical protein.
 SQ SEQUENCE 269 AA; 30689 MW; AA52167A160458 69764;

Query Match 96.8% Score 40; DB 1; Length 269;
 Best Local Similarity 84.4% Pred. No. 93;
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 QY 1 VQKGR 6
 11111
 DB 55 LQKGR 60

RESULT 8
 074044
 ID 074044; PRELIMINARY; PRI 274 AA;
 DI 01-NOV-1998 (EMBLrel. 08, created)
 DI 01-NOV-1998 (EMBLrel. 08, last sequence update)
 DI 01-JUN-2001 (EMBLrel. 17, last annotation update)
 DE HYPOHETICAL 31.1 KDa PROTEIN
 OS Cenarchaeum symbiosum.
 OC Archaea; Crenarchaeota; Cenarchaeum.
 OX NCBI_TaxID 46770;
 RN 111
 RP SEQUENCE FROM N.A.
 RC STRAIN A;

BC STRAIN-DSM 1617 / P2
 RA Schlieper C., Belong E., Preston J., Preston J., Preston J.,
 RA Swanson R.V.
 RI "Genomic analysis reveals chromosomal variation in natural populations
 RI of the model thermophilic archaeon Cenarchaeum symbiosum."
 RI J. Bacteriol. 180:5003-5009(1998)
 RI EMBL: AF084072; AAC62709.1;
 DR InterPro: IPR04115; Paracel.
 DR Pfam: PF02195; Paracel.
 DR SMART: SM00476; Paracel.
 KW Hypothetical protein.
 SQ SEQUENCE 274 AA; 31103 MW; 68406841804618 69664;

Query Match 96.8% Score 40; DB 1; Length 274;
 Best Local Similarity 84.4% Pred. No. 93;
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 QY 1 VQKGR 6
 11111
 DB 109 LQKGR 64

RESULT 9
 074044
 ID 074044; PRELIMINARY; PRI 274 AA;
 DI 01-JUN-2001 (EMBLrel. 17, created)
 DI 01-JUN-2001 (EMBLrel. 17, last sequence update)
 DI 01-JUN-2001 (EMBLrel. 18, last annotation update)
 DE HYPOHETICAL 31.1 KDa PROTEIN
 OS Cenarchaeum symbiosum.
 OC Archaea; Crenarchaeota; Cenarchaeum.
 OX NCBI_TaxID 46770;
 RN 111
 RP SEQUENCE FROM N.A.
 RC STRAIN A(2).
 RX MEDLINE 98422453; PubMed 9748120;
 RA Schlieper C., Belong E., Preston J., Preston J., Preston J.,
 RA Swanson R.V.
 RI "Genomic analysis reveals chromosomal variation in natural populations
 RI of the model thermophilic archaeon Cenarchaeum symbiosum."
 RI J. Bacteriol. 180:5003-5009(1998)
 RI EMBL: AF084072; AAC62709.1;
 DR InterPro: IPR04115; Paracel.
 DR Pfam: PF02195; Paracel.
 DR SMART: SM00476; Paracel.
 KW Hypothetical protein.
 SQ SEQUENCE 274 AA; 31103 MW; 68406841804618 69664;

Query Match 96.8% Score 40; DB 1; Length 274;
 Best Local Similarity 84.4% Pred. No. 93;
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 QY 1 VQKGR 6
 11111
 DB 109 LQKGR 64

RESULT 10
 074044
 ID 074044; PRELIMINARY; PRI 274 AA;


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AN 091492;
BI 01-MAR-2001 (TEMBLETT, 16, Created)
BI 01-MAR-2001 (TEMBLETT, 16, Last sequence update)
BI 01-DEC-2001 (TEMBLETT, 19, Last annotation update)
DE PROBABLE SHORT-CHAIN DEHYDROGENASE
GN PA1470;
OS Pseudomonas aeruginosa;
OC Bacteria; Proteobacteria; gamma subdivision; Pseudomonadaceae;
OC Pseudomonas;
OC NCBI TaxID=287;
RN [1];
RF SEQUENCE FROM N.A.;
RX MEDLINE 2544733; PMID=15984943;
RA Stover C.K., Egan X.-Q., Fawcett A.J., McQuinn S.D., Warrack P.W.,
RA Garber E.J., Gellery I., Tolentino E., Westbrook-Wadman S., Yuan Y.,
RA Brady E., Ogilvie S.N., Polgar F.P., Kab A., Park E., Lim R.M.,
RA Smith K.A., Spencer D.H., Wong C.K.-S., Wu Z., Paulsen O.,
RA Klotzel J., Salier M.H., Hancock R.E.W., Lory S., Olson M.V.;
RT "Complete genome sequence of Pseudomonas aeruginosa PA1, an
RT opportunistic pathogen.";
RT Nature 406:959-964 (2000);
DE 1- SIMILARITY: BELONGS TO THE SHORT CHAIN DEHYDROGENASES/REDUCTASES
OC (SDR) FAMILY;
DR EMBL: AF004576; AAC04859.1; ;
DR HSP: 612634; LYB;
DR InterPro: IPR02198; ADLshort
DR Pfam: PF01106; ADLshort; 1;
DR PRINSE: PR00080; SDRFAMILY;
KW Complete proteome, oxidoreductase;
SQ SEQUENCE 245 AA; 25365 MW; 342A1E123406714 Ck064;

Query Match 90.38; Score 28; 106 TMs; Length 245;
Best Local Similarity 83.38; Prod. No 2 40-02;
Matches % Conservatize 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VDRGR 6;
  11111
DP 129 VDRGR 134

RESULT 15
Q927X9
AC Q927X9;
BI 01-DEC-2001 (TEMBLETT, 19, Created)
BI 01-DEC-2001 (TEMBLETT, 19, Last sequence update)
BI 01-DEC-2001 (TEMBLETT, 19, Last annotation update)
DE LIN2658 PROTEIN;
GN LIN2658;
OS Listeria innocua;
OC Bacteria; Firmicutes; Bacillus/Clostridium group;
OC Bacillus/Staphylococcus group; Listeria;
OC NCBI TaxID=1042;
RN [1];
RF SEQUENCE FROM N.A.;
RX STRAIN C537 11262 / SERovar 6A;
RX PubMed 11679669;
RA Cluser P., Franconi E., Buchrieser C., Rosnick C., Amend A.,
RA Bapteste E., Berche P., Blocker H., Brandt P., Chakraborty T.,
RA Charbit A., Chetoui F., Couve E., De Lencastre A., De Lencastre P.,
RA Domini E., Dominguez-Bernal G., Duclaud E., Duran I., Dussanquet C.,
RA Fontan K., Fuchs H., Garcia del Portillo F., Garrido P.,
RA Gantier E., Garel W., Gomez Lopez M., Hall E., Hall J., Jackson D.,
RA Jones I. M., Koster C., Krell T., Kuhn M., Kuster L., Kuster G.,
RA Machado E., Maitoum A., Mata Vicente J., Mif E., Nefati H.,
RA Nordstok G., Novita S., de Pablos P., Perez Diaz J. C., Pirelli R.,
RA Renard B., Rose M., Schuster E., Simoes N., Hietzel A.,
RA Vazquez-Boland J.-A., Voss H., Weiland J., Weissart P.;
RT "Comparative genomics of Listeria species.";
RI Sequence 294849, 854 (2001);
DR EMBL: AL596173; CN57884.1; ;

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16 1-32-01-11-00-00-00;
KW Complete Proteomes;
AC 1-32-01-11-00-00-00; 11447 MW; 11444-00-00-00-00-00-00;
Query Match 90.38; Score 28; 106 TMs; Length 245;
Best Local Similarity 83.38; Prod. No 2 40-02;
Matches % Conservatize 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 VDRGR 6;
  11111
DP 129 VDRGR 134

Query Match 90.38; Score 28; 106 TMs; Length 245;
Best Local Similarity 83.38; Prod. No 2 40-02;
Matches % Conservatize 1; Mismatches 0; Indels 0; Gaps 0;

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QY 1 VOR63R 6
 ID 403 VOR63R 408
 RESULT 8
 AAY07728
 ID AAY07728 standard, protein, 1183 AA.
 XX AAY07728.
 AC
 XX 01-JUN-1999 (first entry)
 DI
 ID Armenian hamster alpha-1 integrin subunit protein.
 ID
 XX VEGF: tumour angiogenesis inhibitor; vascular endothelial growth factor;
 KW integrin cell surface receptor; capillary; blood vessel; hamster;
 KW alpha-1 subunit; alpha 2 subunit.
 XX
 CS circulatory migratorius.
 XX
 XX W09916465 AL
 XX
 ID 08 APR-1999.
 XX
 FF 40-SEP-1997; 97W0-US17485.
 XX
 XX 40-SEP-1997; 97W0-US17485.
 XX
 XX (BETH-) REIH ISRAELI DEAN-INRESS MEDICAL UNIT
 FA (CLAFY) CLAFFY K F.
 PA (DETMA) DETMAR M.
 PA (SENGE) SENGEL D R.
 XX
 XX Claffey KP, Detmar M, Sengler DR;
 DI
 XX WPI; 1999 254-03024
 XX
 ID Inhibition of tumor angiogenesis through interaction of vascular
 ID endothelial growth factor and integrin cell surface receptors
 XX
 XX disclosure; Fig 2A-C; 64pp; English.
 XX
 XX this invention describes a novel method for the inhibition of tumor
 CC angiogenesis mediated by vascular endothelial growth factor (VEGF) and
 CC integrin cell surface receptors expressed in vasculature of living
 CC subjects. The method inhibits new capillary and new blood vessel
 CC formation both within a tumour mass itself as well as in the immediately
 CC adjacent blood vasculature surrounding the perimeter of the tumour mass
 CC interaction and dependence upon VEGF to induce specific interth
 CC heterodimers in tumour angiogenesis provides a novel method for
 CC inhibiting tumour angiogenesis, and unlike prior art relies on the
 CC specific inter relationship of VEGF and integrins, rather than
 CC concentrating solely on one specific class of protein.
 XX
 XX
 SQ Sequence 1183 AA.
 Query Match: 100.00; Score 33; 146 20; Length 1183;
 Best Local Similarity: 100.00; Pred. No. 6, 86 002;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 VOR63R 6
 ID 242 VOR63R 247
 RESULT 9
 AAR87641
 ID AAR87641 standard 4; peptide; 45 AA.
 XX
 AC AAR87641;
 XX

DI 25-JUN-1996 (first entry)
 XX
 XX Synthetic HIV peptide CLIR 72.
 XX
 KW HIV: immunoreactive; mineral salt; adjuvant; glycosylated; nucleosyl;
 KW succinimidyl; pyridylidation; lipophilic; glycosylated; and trim;
 PW cellular; receptor; sequential; virus; RNA; polypeptide; proteinase;
 KW haemophilus influenza; streptococcus pneumoniae.
 XX
 CS Synthetic
 XX
 XX W05534308 AA
 XX
 ID 21-JUN-1997
 XX
 XX 15-JUN-1997; 97W0-CA00059
 XX
 XX 15-JUN-1997; 97W0-CA00194.
 XX
 XX (ANN) ANNAUD-III LAB 110
 XX
 XX Cloud P, Jones A, Kander A, Klevs ML
 XX
 XX WPI; 1996 049406/05.
 XX
 XX New adjuvant responses for modified immun responses comprise
 CC mineral salt adjuvant and at least one other adjuvant, particularly
 CC glycosylated molecule.
 XX
 XX Example 1: Page 34; 54pp; English.
 XX
 XX AAY976487640 and AAR88415 888418 represent synthetic peptides used as
 CC antigens in an immunoreactive composition of the invention. The
 CC immunoreactive composition also contains a novel adjuvant. The
 CC comprises a mineral salt adjuvant (MSA), and at least one other adjuvant.
 CC Another immunoreactive composition covered within the scope of the
 CC invention comprises an antigen conjugated by linked to a glycolipid
 CC antigen, particularly a MSA. The antigen is a protein, particularly a
 CC recombinant protein, such as maltotriose, sucrose, or a
 CC 2-phosphoryl-3-O-methyl-6-O-(2-deoxy-2-allyl)-4-O-methyl-5-O-methyl-6-O-methyl-
 CC phosphate derivative. The MSA is preferably aluminum hydroxide, aluminum
 CC other adjuvant may be a glycolipid molecule, an ester of an
 CC amino acid or a lipopeptide. The glycolipid molecule is preferably the
 CC glycosylamide.
 CC
 CC N-(deoxy-2-allyl)-3-O-methyl-6-O-(2-deoxy-2-allyl)-4-O-methyl-5-O-methyl-6-O-methyl-
 CC molecule. The immunoreactive compositions can be used to induce an immune
 CC response to antigens such as antigenic determinants of HIV (such as the
 CC sequence), influenza virus, respiratory syncytial virus, hepatitis
 CC pertussis, haemophilus influenza or streptococcus pneumoniae. The use
 CC of two different adjuvants can provide an enhanced immune response where
 CC their effect can be additive or synergistic.
 XX
 XX Sequence 45 AA.
 Query Match: 96.88; Score 40; 146 17; Length 45;
 Best Local Similarity: 84.48; Pred. No. 4;
 Matches 1; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 QY 1 VOR63R 6
 ID 242 VOR63R 247
 RESULT 1
 AAY00925
 ID AAY00925 standard, protein, 269 AA
 XX
 AC AAY00925;
 XX
 XX 01-DEC-2000 (first entry)
 XX
 XX Cramer, Thomas; epidermal growth factor receptor; human protein; sequence; SEQ ID NO: 4
 XX

(d) wound healing, (c) neurological diseases such as viral, bacterial, fungal, epilepsy, and (f) infectious diseases such as viral, bacterial, fungal, and parasitic infections.

Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at http://wipo.int/pat/published_pat_sequences.

XX Sequence 64 AA:

Query Match: 90.38; Score 29; FR 22; Length 61;

Best Local Similarity 83.38; Pred. NO. 1.8e+02;

Matches 5; Conservation 1; Mismatches 0; Indels 0; Gaps 0.

27 1 VQVQRP 6

DB 18 VERQRF 24

RESULT 13

AA081759

ID: AA081759 standard; protein: 145 AA.

XX AC: AA081759.

XX CT: 15-NOV-1990 (first entry)

XX DE: Sequence encoded by one gene of HIV-1 (continued from p81764).

XX KW: AIDS; immunogen; antigen; vaccine; diagnostic.

XX US: Simian immunodeficiency virus.

XX PN: W0805440-A

XX PD: 28-JUL-1988

XX PE: 15 JAN-1989; 89W-EP00025.

XX PK: 15 APR-1987; 87EW-0005308

XX PA: (INSP) INST PASTER(A177)

XX PI: Allison M, Montanier L, Gietard D, Flavell F, Soutou P, Gayader M;

XX PT: Tiollais P, Chakrabarti L, Bastosius E;

XX PS: WPI: 1988-220270/41

XX CC: N-PSDB; AANR0860

XX CC: New peptides with low immunological properties of HIV-2 envelope protein -

XX PT: having the structure of simian immunodeficiency virus proteins.

XX PT: useful in diagnosis and of vaccine components

XX PS: Disclosure; Fig 1b; 86pp; French.

XX CC: New peptides with low immunological properties of HIV-2 envelope protein -

XX CC: the peptide skeleton of the envelope protein of HIV-2 and also have a

XX CC: peptide structure in common with that of HIV-1 glycoprotein are claimed.

XX CC: Antigenic and immunogenic conjugates contain the peptides and a 1:1

XX CC: detect HIV-2 in biological fluids are new. The peptides are useful for in

XX CC: vitro diagnosis of HIV-2 infection and serum HIV antibodies raised

XX CC: components of immunogens and vaccines against HIV antibodies raised

XX CC: against them can be used for treatment of AIDS.

XX SQ: Sequence 145 AA:

Query Match:

Best Local Similarity 83.38; Pred. NO. 2.0e+02;

Matches 5; Conservation 1; Mismatches 0; Indels 0; Gaps 0.

UY 1 VQRAGR 6

DB 124 LQRGR 147

RESULT 14

AA011198

ID: AA011198 standard; Protein: 212 AA.

XX AC: AA011198;

XX DT: 18-MAY-1999 (first entry)

XX DE: Polypeptide fragment encoded by gene 16.

XX KW: Human secreted protein; gene therapy; protein therapy; tissue cancer;

XX KW: tumor; immunodeficiency disorder; leukemia; autoimmune disease; AIDS;

XX KW: developmental abnormality; fetal deficiency; Alzheimer's disease;

XX KW: cognitive disorder; schizophrenia; immunological disorder; mood disorder;

XX KW: immune deficiency disease; respiratory disorder; arthritis; skeletal;

XX KW: hematopoietic disorder; neural; osteoporosis; metabolic disorders;

XX KW: cardiovascular; endocrine; gastrointestinal; asthma; diagnosis.

XX US: Homo sapiens.

XX PN: W0901020-A2.

XX PD: 14 JAN-1999.

XX PE: 30-JUN-1998; 98W-0514608.

XX PK: 12-SEP-1997; 97US-0059663.

XX PA: 01-JUL-1997; 97US-0051481.

XX PT: 01-JUL-1997; 97US-0051480.

XX PS: 12-SEP-1997; 97US-0054598.

XX CC: (USMA) HUMAN GEP-16 SC1 INC.

XX PT: Carter KJ, Padgett GA, Papp G, Pasch GA, Kahan SM;

XX PE: WPI: 1999-109692/09.

XX PK: N-PSDB; AAX22126.

XX PT: New isolated human genes and the secreted polypeptides they encode -

XX PT: associated diseases and treatment thereof; cancers; neurological

XX PT: disorders; immune diseases; immune deficiency diseases or blood

XX PS: Disclosure; Page 27; 179pp; English.

XX CC: The invention relates to nucleic acid sequences (AAX2211 to AAX2215)

XX CC: encoding human secreted proteins (AAY01135 to AAY01138); the secreted

XX CC: protein gene sequences are deposited with the ATCC under deposit number

XX CC: AYC 20419. Host cells expressing recombinant proteins containing the

XX CC: nucleic acid sequences are used for the recombinant production of the

XX CC: secreted proteins. The polypeptide and amino acid sequences are useful

XX CC: for are useful for preventing, treating or ameliorating medical

XX CC: conditions e.g. by protein or gene therapy. Pathological conditions can

XX CC: be also diagnosed by determining the amount of the new polypeptides in a

XX CC: sample or by determining the presence of mutations in the new

XX CC: polypeptides. Specific uses are described for each of the

XX CC: polypeptides. Based on which tissues they are used in, they represent

XX CC: and include developing products for the diagnosis or treatment of

XX CC: various diseases, developmental abnormalities and local deficiencies,

XX CC: autoimmune diseases, lymphomas, Alzheimer's and cognitive disorders,

XX CC: schizophrenia, immunological disorders, immune deficiency diseases

XX CC: (AIDS), mood disorders, respiratory disorders, arthritis, asthma,

XX CC: hematopoietic disorders, neural disorders, skeletal disorders,

XX CC: osteoporosis, metabolic disorders, cardiovascular disorders, endocrine

XX CC: disorders or gastrointestinal disorders. The polypeptides are also useful

XX CC: for identifying their kindred partners. The present sequence represents a

XX CC: polypeptide fragment encoded by a gene of the invention (see description

XX CC: line for gene number).

XX SQ: Sequence 212 AA:

Query Match:

90.38; Score 28; DB 20; Length 212;



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OR protein pattern search using SW model

Run on: October 22, 2002, 16:09:02, 25 matches found in 30 seconds
(without alignments)
182.47% hit rate, 1.11% gaps

Title: US-09-996-748-B
Perfect score: 31
Sequence: 1 Vector 6

Scoring tables: HUSUM62
Gapex 10.0, Gapext 0.5

Searched: 241628 seqs, 2442594 contigs

Total number on hits satisfying chosen parameters: 24129

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match on
Maximum Match 100%
Listing time: 4% summaries

Database: Issued_Patents_AA*

- 1: 31-27-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-1149-1150-1151-1152-1153-1154-1155-1156-1157-1158-1159-1160-1161-1162-1163-1164-1165-1166-1167-1168-1169-1170-1171-1172-1173-1174-1175-1176-1177-1178-1179-1180-1181-1182-1183-1184-1185-1186-1187-1188-1189-1190-1191-1192-1193-1194-1195-1196-1197-1198-1199-1200-1201-1202-1203-1204-1205-1206-1207-1208-1209-1210-1211-1212-1213-1214-1215-1216-1217-1218-1219-1220-1221-1222-1223-1224-1225-1226-1227-1228-1229-1230-1231-1232-1233-1234-1235-1236-1237-123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RESULT 2
 US-09-342-084-11
 : Sequence 11 Application US/09042084
 : Patent No. 6251668
 : GENERAL INFORMATION:
 : APPLICANT: Calsonic, Rebecca E.
 : APPLICANT: Sakai, Hajime
 : TITLE OF INVENTION: Transcription Quaternary
 : FILE REFERENCE: BR-1169-A
 : CURRENT APPLICATION NUMBER: 09/091120-21
 : CURRENT FILING DATE: 1999-06-29
 : EARLIER APPLICATION NUMBER: 62/522,659
 : EARLIER FILING DATE: 1999-06-29
 : NUMBER OF SEQ ID NOS: 12
 : SOFTWARE: Microsoft Office 97
 : SEQ ID NO 11
 : LENGTH: 356
 : TYPE: PRT
 : ORGANISM: Mus musculus
 US-09-342-084-11

Query Match 97.18 Score 27 Indels 0 Gaps 0
 Best local similarity 100.00 Pct. Id. 100.00
 Matches 5 Conservative 0 Plasma 0 1.3e+3 0 0

Q# 2 QPCR 6
 DB 19 QPCR 24

RESULT 3
 US-09-342-084-2
 : Sequence 2 Application US/09042084
 : Patent No. 6251668
 : GENERAL INFORMATION:
 : APPLICANT: Calsonic, Rebecca E.
 : APPLICANT: Sakai, Hajime
 : TITLE OF INVENTION: Transcription Quaternary
 : FILE REFERENCE: BR-1169-A
 : CURRENT APPLICATION NUMBER: 09/091120-21
 : CURRENT FILING DATE: 1999-06-29
 : EARLIER APPLICATION NUMBER: 62/522,659
 : EARLIER FILING DATE: July 13, 1998
 : NUMBER OF SEQ ID NOS: 12
 : SOFTWARE: Microsoft Office 97
 : SEQ ID NO 2
 : LENGTH: 409
 : TYPE: PRT
 : ORGANISM: Escherichia coli
 US-09-342-084-2

Query Match 97.18 Score 27 Indels 0 Gaps 0
 Best local similarity 100.00 Pct. Id. 100.00
 Matches 5 Conservative 0 Mismatches 0 Indels 0 Gaps 0

Q# 2 QPCR 6
 DB 212 QPCR 216

RESULT 4
 US-09-342-084-11
 : Sequence 8 Application US/08091814B
 : Patent No. 5981218
 : GENERAL INFORMATION:
 : APPLICANT: Rio, Marie-Christine
 : APPLICANT: Tomasetto, Catherine
 : APPLICANT: Bassett, Paul
 : APPLICANT: Byrne, Jennifer
 : TITLE OF INVENTION: Isolated Nucleic Acid Polynucleotide
 : TITLE OF INVENTION: Isolated Nucleic Acid Polynucleotide

NUMBERS: 1 SEQUENCES: 124
 : ADDRESS/INVENTOR ADDRESS:
 : ADDRESSEE: Stermo, Kossler, Goldstein & Fox P.L.L.C.
 : STREET: 1700 R & Y Pl Ave, NW, Suite 600
 : CITY: Washington
 : STATE: DC
 : COUNTRY: USA
 : ZIP: 20005 1914
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk
 : COMPUTER: IBM PC compatible
 : SOFTWARE: Patent In Release #1.0, Version #1.05
 : CURRENT APPLICATION DATA:
 : FILING DATE: 11-JUL-1996
 : CLASSIFICATION: 435
 : PRIOR APPLICATION DATA:
 : FILING DATE: 09-AUG-1996
 : NAME: Stermo, Eric K.
 : REGISTRATION NUMBER: 36,688
 : FILING DATE: 1983-09-00001
 : TITLE OF INVENTION: INFORMATION
 : TELEPHONE: 202-471-2600
 : TELEFAX: 202-471-2544
 : REFERENCE: 202-471-2544
 : SEQUENCE CHARACTERISTICS:
 : LENGTH: 534 amino acids
 : TYPE: amino acid
 : TOPOLOGY: linear
 : MOLECULE TYPE: protein
 US-09-342-084-8

Query Match 97.18 Score 27 Indels 0 Gaps 0
 Best local similarity 100.00 Pct. Id. 100.00
 Matches 5 Conservative 0 Mismatches 0 Indels 0 Gaps 0

Q# 2 QPCR 6
 DB 51 QPCR 55

RESULT 5
 US-09-342-084-2
 : Sequence 9 Application US/08090172
 : Patent No. 6050054
 : GENERAL INFORMATION:
 : APPLICANT: Stermo, Eric K.
 : TITLE OF INVENTION: Nucleic Acid Polynucleotide
 : TITLE OF INVENTION: LYMPHOCYTE VET
 : NUMBER OF SEQUENCES: 41
 : SOFTWARE: Patent In Release #1.0, Version #1.25
 : CURRENT APPLICATION DATA:
 : FILING DATE: 09-AUG-1996
 : CLASSIFICATION: 514
 : NAME: Stermo, Eric K.
 : REGISTRATION NUMBER: 36,688
 : FILING DATE: 1983-09-00001
 : TITLE OF INVENTION: INFORMATION
 : TELEPHONE: 202-471-2600
 : TELEFAX: 202-471-2544
 : REFERENCE: 202-471-2544
 : SEQUENCE CHARACTERISTICS:
 : LENGTH: 534 amino acids
 : TYPE: amino acid
 : TOPOLOGY: linear
 : MOLECULE TYPE: protein
 US-09-342-084-8

Query Match 97.18 Score 27 Indels 0 Gaps 0
 Best local similarity 100.00 Pct. Id. 100.00
 Matches 5 Conservative 0 Mismatches 0 Indels 0 Gaps 0

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TELEPHONE: (403) 863-9700
 TELEFAX: (403) 863-0224
 INFORMATION FOR SEQ ID NO: 9:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1065 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-09-630-172-9

Query Match 87.1% Score 277.18 % Identity 100%
 Best Local Similarity 100.0% Prod. No. 10000
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CY 2 QPCR 6

DB 465 QPCR 469

RESULT 6

US-09-375-419-9
 Sequence 9, Application US-09-375-419
 Patent No. 4244960

GENERAL INFORMATION:
 APPLICANT: SHAWZ, UWO

TITLE OF INVENTION: NOVEL PROTEIN AND PROTEIN FRAGMENT
 NUMBER OF SEQUENCES: 41

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Shawz Uwo

STREET: 1700 Lincoln Street, 45th Floor
 CITY: Denver

STATE: Colorado
 COUNTRY: U.S.

ZIP: 80203
 COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US-09-375-419

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION:

APPLICATION NUMBER: 08/630,172

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Connell, Gary J.

REGISTRATION NUMBER: 40,000

REFERENCE/WORKSHEET NUMBER: 2879-46

TELECOMMUNICATION INFORMATION:

TELEPHONE: (403) 863-9700

TELEFAX: (403) 863-0224

INFORMATION FOR SEQ ID NO: 9:

SEQUENCE CHARACTERISTICS:

LENGTH: 1065 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-09-375-419-9

Query Match

Best Local Similarity 100.0% Prod. No. 10000
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CY 2 QPCR 6

DB 465 QPCR 469

RESULT 7

US-09-738-478-2

TELEPHONE: (403) 863-9700
 TELEFAX: (403) 863-0224

GENERAL INFORMATION:

APPLICANT: Biomedical, Stephen H.

APPLICANT: Stabaugh, Teresa

APPLICANT: Chabo, Marcia

APPLICANT: Liddell, Scott

TITLE OF INVENTION: TCM 1/2A 1 DEFECTIVE L-R INDUCTION

FILED IN INVENTION: PROPOSED DEFERENCE

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESSEE: NAVY, WILLIAMS, TIMMONS & COLLINS

STREET: 1101 Walnut St.

CITY: Kansas City

STATE: MO

COUNTRY: USA

ZIP: 64108

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: 08/630,172

FILING DATE: 03-FEB-1997

CLASSIFICATION: 514

INFORMATION DATA:

ATTORNEY/AGENT INFORMATION:

NAME: Connell, Gary J.

REGISTRATION NUMBER: 40,000

REFERENCE/WORKSHEET NUMBER: 2879-46

TELECOMMUNICATION INFORMATION:

TELEPHONE: (403) 863-9700

TELEFAX: (403) 863-0224

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1170 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

HYPOTHETICAL: No

ORIGINAL SOURCE:

ORGANISM: Homo sapiens

CELL TYPE: T cell

CELL LINE: HL 60

FEATURE:

NAME/KEY: location

LOCATION: 1-25

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FEATURE:

NAME/KEY: location

LOCATION: 82,132

OTHER INFORMATION: /label: Repeat

OTHER INFORMATION: /note: "Repeat 1"

FEATURE:

NAME/KEY: location

LOCATION: 89, 491

OTHER INFORMATION: /label: Repeat

OTHER INFORMATION: /note: "Repeat 1"

FEATURE:

NAME/KEY: location

LOCATION: 89, 491

OTHER INFORMATION: /label: Repeat

OTHER INFORMATION: /note: "Repeat 1"

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NAME/KEY: location

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FEATURE:

NAME/KEY: location

LOCATION: 89, 491

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LOCATION: 568..629
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LOCATION: 1089..1112
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FEATURE:
NAME/KEY: Domain
LOCATION: 1113..1170
OTHER INFORMATION: /label= "Cys"
OTHER INFORMATION: /note= "Cytoplasmic domain"
PUBLICATION INFORMATION:
AUTHORS: Plagott,
TITLE: LFA-1 Amino acid sequence (cyclic) (1986)
JOURNAL: PMA-stimulated HL-60 cells
PAGES: 94-95
DATE: 1993
RELEVANT FESTIVAL IN 2002: N 2 1 P M 1 1 177
US-08-789 078-2

Query Match 87.1% Score 27 DB 21 Length 1170
Best local similarity 100.0%, Ident. 5.0, L.I.D. 54
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

2 QUERIES
1b 489 0608 493
1111

RESULT 8
US-08-752 634-2
Scoring 2. Application 22.087620
Patent No. 568888
GENERAL INFORMATION:
APPLICANT: Becton, Dickinson & Co.
APPLICANT: Shalun, Toruna
APPLICANT: Glaxo, Marula
APPLICANT: Tibbolls, Scott
TITLE OF INVENTION: REAM/LEA 1 PEPTIDES FOR PREVENTING
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESS: ROYCE, WILLIAM, 1000 N. 10th St.,
CITY: Kansas City
STATE: MO
COUNTRY: USA
ZIP: 64106
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

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RESULT 13

US-09-144-805-2

Sequence 2 Application US/09/044805

Patent No. 6280999

GENERAL INFORMATION:

APPLICANT: Gustafsson, Claes

APPLICANT: Botlach, Gary C.

APPLICANT: Ashley, Gary

APPLICANT: Muller, Bryan

APPLICANT: Zlotnick, Rainer

TITLE OF INVENTION: COMPARISON POLYMER

TITLE OF INVENTION: THEREFOR

FILE REFERENCE: 40642-200207-20

CURRENT APPLICATION NUMBER: 09/090448

EARLIER FILING DATE: 1998-08-31

EARLIER APPLICATION NUMBER: 09/010,809

NUMBER OF SEQ ID NOS: 8

SOFTWARE: Patent In Ver. 2.0

SEQ ID NO 2

LENGTH: 6095

TYPE: PRT

ORGANISM: Sordaria cellulosum

US-09-144-805-2

Query Match

Best Local Similarity: 87.1%; Score 27; DB 4; Length 6095;

Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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11111

DB 2954 VRRGR 2959

RESULT 14

US-09-564-805-233

Sequence 233 Application US/09/564805

Patent No. 6333503

GENERAL INFORMATION:

APPLICANT: Lavitjian, Sean V.

APPLICANT: Leno, David H.F.

APPLICANT: Simard, Jacques

APPLICANT: Rommens, Johanna M.

TITLE OF INVENTION: Chromosome 17p Linked Prostate Cancer Susceptibility

FILE REFERENCE: 2318-258

CURRENT APPLICATION NUMBER: US/09/564,805

PRIOR FILING DATE: 2000-05-05

PRIOR APPLICATION NUMBER: US 60/107,468

PRIOR FILING DATE: 1998-11-06

PRIOR APPLICATION NUMBER: 09/444,482

PRIOR FILING DATE: 1999-11-05

NUMBER OF SEQ ID NOS: 240

SOFTWARE: Patent In Ver. 2.0

SEQ ID NO 233

LENGTH: 684

TYPE: PRT

ORGANISM: Homo sapiens

US-09-564-805-233

Query Match

Best Local Similarity: 83.9%; Score 26; DB 4; Length 684;

Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Q1 1 VORRGR 6

11111

DB 230 VRRGR 235

RESULT 15

US-09-564-805-235

Sequence 235 Application US/09/564805

